

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("5759461"). PN	USPAT; USOCR	OR	OFF	2008/07/29 08:14
L2	17599	plastic adj pipe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:17
L3	355	L2 (multi adj (layer or layered))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:18
L4	19	L2 (multi adj (layer or layered)) (peelable or detachable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:18
L5	82	L2 (multi adj (layer or layered)) polyethylene propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:19
L6	160	L2 glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:24
L7	113	L2 glycerol polyethylene propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:24
L8	22	(pipe or hose) ((peelable or detachable) near3 skin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:33
L9	829	uponor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:38

L10	0	uponor (peelable near3 skin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:38
L11	2	uponor peelable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:42
L12	0	uponor profuse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:43
L13	12	(pipe or hose) ((skin adj layer) near3 (removable or peelable or detachable))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:49
L14	969	(pipe or hose) ((layer) near3 (removable or peelable or detachable))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:53
L15	155	(pipe or hose) ((layer) near3 (removable or peelable or detachable)) propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 08:54
L16	62	(pipe or hose) ((layer) near3 (removable or peelable or detachable)) glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 09:02
L17	53	pen ((layer) near3 (removable or peelable or detachable)) glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 09:09
L18	824	((layer) near3 (removable or peelable or detachable)) glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 09:10
L19	491	((layer) near3 (removable or peelable or detachable)) glycerol propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 09:10

L20	491	((layer) near3 (removable or peelable or detachable)) glycerol propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/29 09:11
S1	1	("4600615").PN.	USPAT; USOCR	OR	OFF	2008/01/15 15:59
S2	1813632	pipe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/15 16:16
S3	9336420	pipe or tube or line or conduit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/15 16:16
S4	134446	S3 polyethylene propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/15 16:17
S5	9336420	pipe or tube or line or conduit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:04
S6	134446	S5 polyethylene propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:04
S7	5501	S6 (glycerol adj monostearate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:04
S8	5501	S6 (glycerol adj monostearate) (glycerol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:38
S9	370	S6 (glycerol adj monostearate) (glycerol) (fatty adj acid adj amide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:38

S10	252	S6 (glycerol adj monostearate) (glycerol) (stearamide or erucamide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:39
S11	19234	pipe polyethylene propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:43
S12	67	S11 (glycerol adj monostearate) (glycerol) (stearamide or erucamide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:43
S13	12	pipe (removable near2 skin near2 layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:45
S14	442	pipe (removable near2 layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:46
S15	125	pipe (removable near2 layer) polyethylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:47
S16	3093	pipe (multi adj layer) polyethylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:49
S17	375	pipe (multi adj layer) polyethylene glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:49
S18	436	(pipe or hose) (multi adj layer) polyethylene glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:52
S19	42	(pipe or hose) (multi adj layer) polyethylene glycerol (stearamide or erucamide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:54

S20	0	no adj dig adj VCP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:57
S21	88	no adj dig	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 09:58
S22	1728	pipe adj liner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 10:05
S23	73	S22 propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 10:05
S24	1	("4780163").PNL	USPAT; USOCR	OR	OFF	2008/01/16 10:11
S25	77	pipeliner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 10:13
S26	0	pipeliner polyprylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 10:13
S27	4	pipeliner propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 10:13
S28	1	("4644977").PNL	USPAT; USOCR	OR	OFF	2008/01/16 10:27
S29	1439	(138/137).CCLS	USPAT; USOCR	OR	OFF	2008/01/16 10:29
S30	113	S29 pipe propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 10:29
S31	1614	removable adj layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:25

S32	78	pipe S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:25
S33	106	(pipe or hose) S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:25
S34	22856	skin adj layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:27
S35	2049861	pipe or hose	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:27
S36	1705	S34 S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:28
S37	492001	propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:28
S38	386	S36 S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:28
S39	79	S36 S37 glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:28
S40	17184	plastic adj pipe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:29
S41	620	S40 propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:29

S42	120	S40 propylene glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:29
S43	25	removable adj skin adj layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:31
S44	1	("5759461").PN.	USPAT; USOCR	OR	OFF	2008/01/16 12:38
S45	513	(264/45.9).CCLS.	USPAT; USOCR	OR	OFF	2008/01/16 12:39
S46	31	S45 (hose or pipe) propylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 12:40
S47	4816	propylene adj block	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 13:19
S48	406	S47 glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 13:19
S49	159	S47 glycerol (fatty adj acid adj ester)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 13:20
S50	3	S47 glycerol (fatty adj acid adj ester) (stearamide or erucamide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 13:22
S51	1	("6825280").PN.	USPAT; USOCR	OR	OFF	2008/01/16 17:30
S52	0	S51 glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 17:31
S53	0	S51 (fatty adj acid adj ester)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 17:31

S54	353	(propylene adj block) (fatty adj acid adj ester)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 17:31
S55	159	(propylene adj block) (fatty adj acid adj ester) glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 17:32
S56	3	(propylene adj block) (fatty adj acid adj ester) glycerol (stearamide or erucamide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 17:32
S57	1	S51 glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/16 17:44
S58	1788	electrofusion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/17 07:43
S59	606	S58 pipe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/17 07:43
S60	210	fuse S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/17 07:44
S61	1	("6825280").PNL	USPAT; USOCR	OR	OFF	2008/01/17 07:57
S62	54151	polybutylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/17 07:58
S63	0	S61 S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/17 07:58



S64	1	S61 acid adj anhydrides	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/17 07:58
S65	16	(rolling near3 drum near3 peel test)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/28 16:01
S66	8	pipe (polyethylene) propylene (polyhdric adj alcohol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/28 16:25
S67	526	pipe (polyethylene) propylene (glycerol adj monostearate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/28 16:25
S68	65	pipe (polyethylene) propylene (glycerol adj monostearate) stearamide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/28 16:26
S69	557	pipe peelable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/28 16:27
S70	3	pipe (peelable near3 (outer adj layer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/28 16:28
S71	134	pipe (peelable near3 layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/07/28 16:29

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